

**What is claimed is:**

- 1 1. An arrangement for forming a layer over a semiconductor substrate, comprising:  
2 means for illuminating the substrate;  
3 means for adjusting the illumination on the substrate; and  
4 means for controlling the dispensation of a material over the substrate as a function  
5 of the adjusted illumination.
- 1 2. An arrangement for forming a layer over a semiconductor substrate, comprising:  
2 a light source adapted to illuminate the semiconductor substrate;  
3 a controller coupled to the light source and adapted to adjust the illumination on the  
4 substrate, the controller further adapted to selectively control the dispensation of a material  
5 over the substrate as a function of the adjusted illumination.
- 1 3. The arrangement of claim 2, further including an enclosed area for forming the  
2 layer on the substrate, the enclosed area comprising walls having a non-reflective material  
3 coating thereon.
- 1 4. The arrangement of claim 2, wherein the controller includes a photodiode detector.

1 5. The arrangement of claim 2, further including an enclosed area for forming the  
2 layer on the substrate, the enclosed area comprising walls having a non-reflective material  
3 coating thereon, and wherein the controller includes a photodiode detector.

1 6. The arrangement of claim 2, wherein the controller includes a light source  
2 controller coupled to the photodiode.